



SEQUENCE LISTING

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Grassy, Gerard
Calas, Bernard

<120> Cytomodulating Lipophilic Peptides for Modulating Immune System
Activity and Inhibiting Inflammation

<130> A-64360-2/TAL/CYO (465840-00087)

<140> US 10/780,321

<141> 2004-02-17

<150> US 09/028,083

<151> 1998-02-28

<150> US 08/838,916

<151> 1997-04-11

<160> 42

<170> PatentIn version 3.2

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<222> (2)..(4)

<223> The Xaa at positions 2-4 can be any amino acid

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<222> (6)..(9)

<223> The Xaa at positions 6-9 can be any amino acid

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<211> 9

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Gly Leu Arg Ile Leu Leu Leu Lys Val
1 5

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1 5

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Leu Gly Ile Leu Leu Leu Gly Val
1 5

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Leu Asp Ile Leu Leu Leu Gly Val
1 5

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Leu Arg Ile Leu Leu Leu Ile Leu Val
1 5

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Leu Arg Leu Leu Leu Lys Val

1 5

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<220>
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<222> (1)..(1)
<223> The Xaa at position 1 can be any basic amino acid

<220>
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<222> (2)..(4)
<223> The Xaa at positions 2-4 can be any amino acid other than an aliphatic polar amino acid

<220>
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<222> (5)..(5)
<223> The Xaa at position 5 can be any basic amino acid

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<222> (6)..(8)
<223> The Xaa at positions 6-8 can be any amino acid other than an aliphatic polar amino acid

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<222> (9)..(9)
<223> The Xaa at position 9 is glycine, or any basic amino acid, or an aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms

<400> 8

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr
1 5 10

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<222> (1)..(1)
<223> The Xaa at position 1 is a basic amino acid, preferably lysine or arginine, particularly arginine at at least one position and preferably both positions

<220>
<221> MISC_FEATURE
<222> (2)..(4)

<223> The Xaa at positions 2-4 is any amino acid other than an aliphatic charged amino acid, preferably any amino acid other than a polar amino acid

<220>
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 <222> (5)..(5)
 <223> The Xaa at position 5 is a basic amino acid, preferably lysine or arginine, particularly arginine at at least one position and preferably both positions

<220>
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 <222> (6)..(8)
 <223> The Xaa at positions 6-8 is any amino acid other than an aliphatic charged amino acid, preferably any amino acid other than a polar amino acid

<220>
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 <222> (9)..(9)
 <223> The Xaa at position 9 is glycine, or any basic amino acid, or an aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms, particularly glycine or any basic amino acid

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 <222> (9)..(9)
 <223> The Xaa at position 9 is glycine, or any basic amino acid, or an aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr
 1 5 10

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 <223> synthetic

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 <222> (1)..(5)
 <223> The Xaa at positions 1 and 5 is any basic amino acid, preferably lysine or arginine, particularly arginine at at least one position, preferably at both positions

<220>
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 <222> (2)..(8)
 <223> The Xaa at positions 2-4 and 6-8 are aliphatic amino acids of preferably of from 5 to 6 carbon atoms, more preferably at least 4 are aliphatic amino acids of from 5 to 6 carbon atoms, more particularly 6 carbon atoms

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 <221> MISC_FEATURE
 <222> (9)..(9)
 <223> The Xaa at position 9 is glycine, or any basic amino acid, or an

aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr
1 5 10

<210> 11

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<222> (2)..(2)

<223> The Xaa at position 2 is an uncharged aliphatic amino acid or aromatic amino acid, particularly a non-polar aliphatic amino acid or aromatic amino acid

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<222> (3)..(4)

<223> The Xaa at positions 3-4 is any amino acid other than an aliphatic charged amino acid, preferably any amino acid other than a polar amino acid

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<222> (6)..(8)

<223> The Xaa at positions 6-8 is any amino acid other than an aliphatic charged amino acid, preferably any amino acid other than a polar amino acid

<220>

<221> MISC_FEATURE

<222> (9)..(9)

<223> The Xaa at position 9 is glycine, or any basic amino acid, or an aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms

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Arg Glu Asn Leu Arg Ile Ala Leu Arg Tyr
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<222> (2)..(4)
<223> The Xaa at positions 2-4 is norleucine

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<222> (6)..(8)
<223> The Xaa at positions 6-8 is norleucine

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<400> 15

Arg Leu Leu Leu Arg Leu Leu Leu Gly Tyr
1 5 10

<210> 16
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<220>
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<400> 16

Arg Val Leu Leu Arg Leu Leu Leu Gly Tyr
1 5 10

<210> 17
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<400> 17

Arg Ile Leu Leu Arg Leu Leu Leu Gly Tyr
1 5 10

<210> 18
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<400> 18

Arg Leu Val Leu Arg Leu Leu Leu Gly Tyr
1 5 10

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<400> 19

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1 5 10

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Arg Leu Leu Val Arg Leu Leu Leu Gly Tyr
1 5 10

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<400> 21

Arg Leu Leu Ile Arg Leu Leu Leu Gly Tyr
1 5 10

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<400> 23

Arg Leu Leu Leu Arg Ile Leu Leu Gly Tyr
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Arg Leu Leu Leu Arg Leu Ile Leu Gly Tyr
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Arg Leu Leu Leu Arg Leu Leu Ile Gly Tyr
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Arg Trp Leu Leu Arg Leu Leu Leu Gly Tyr
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<400> 29

Arg Leu Trp Leu Arg Leu Leu Leu Gly Tyr
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<400> 32

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1 5 10

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<400> 33

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<400> 34

Arg Tyr Leu Leu Arg Leu Leu Leu Gly Tyr
1 5 10

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1 5 10

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<400> 36

Arg Leu Leu Tyr Arg Leu Leu Leu Gly Tyr
1 5 10

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<400> 37

Arg Leu Leu Leu Arg Tyr Leu Leu Gly Tyr
1 5 10

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<400> 38

Arg Leu Leu Leu Arg Leu Tyr Leu Gly Tyr
1 5 10

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<400> 39

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1 5 10

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<400> 40

Arg Glu Asp Leu Arg Thr Leu Leu Arg Tyr
1 5 10

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Arg Glu Asn Leu Arg Ile Ala Leu Arg Tyr
1 5 10

<210> 42
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<400> 42

Arg Val Asn Leu Pro Ile Ala Leu Arg Tyr
1 5 10